

## ABSTRACT

The present invention provides a megacell **100**, which is divided into a plurality of picocells **102**. Each picocell **102** is serviced by a secondary base repeater node configured to transmit to any of three adjacent picocells **102**. The base station **106** acts both as an originating information signal source and as an originating base station for transmitting a command signal. The command signal is a narrowband signal, which can be transmitted on a channel with sufficient range to reach the entire megacell. The information signal is a broadband signal with a short range picocell, which is transmitted from a secondary base repeater node to its adjacent neighbors.

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